AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for compressing a data set to be transmitted from a first application in a first communications network to a second application in a second communications network, said data set having a markup hierarchy and comprising data parts having ~~first values~~a first binary size, said data set being arranged according to a definition part, the method comprising the steps of:

- generating a set of codes as a compression key defining said data parts defined in said definition part with codes having a second binary size less than said first binary size, wherein each code relates to a markup name,
- assigning at least said markup hierarchy with said set of codes~~data parts with codes having less values than said first values~~,
- replacing said data parts in the form of said markup names in said data set by said assigned codes, and
- producing a compressed data set.

2. (currently amended) The method according to claim 1, wherein said markup hierarchy ~~refer~~ refers to a reference comprising a second markup hierarchy, which are resolved and assigned with codes.

3. (original) The method according to claim 1, wherein each code is unique.

4. (previously presented) The method according to claim 1, wherein each code replacing a markup hierarchy in said data set is assigned a value pointed out by said markup hierarchy.

5. (original) The method according to claim 1, wherein a code replacing a markup hierarchy in said data set is assigned a value comprised by a reference pointed out by said markup hierarchy.

6. (previously presented) The method according to claim 4, wherein a value pointed out by a markup hierarchy in said data set is one of a limited set of values defined in said data set, where each value is assigned a code that replaces said value in said data set.

7. (previously presented) The method according to claim 4, wherein a value pointed out by a markup hierarchy in said data set is a number and replaced by a numerical representation.

8. (original) The method according to claim 1, wherein said definition part is a document type definition (DTD) or an XML-schema and said data set is a markup document.

9. (currently amended) The method according to claim 8, wherein said markup document is structured according to a markup language including ~~as~~ XML or ~~,~~ SGML ~~or similar~~.

10-19. Canceled.

20. (currently amended) A program storage device readable by a machine and encoding a program for compressing a data set having a markup hierarchy and comprising data parts having

first binary size~~values~~, said data set being arranged according to a definition part, ~~programme~~ the program comprising:

- an instruction set for assigning at least said markup hierarchy defining said data parts in the form of markup names defined in said definition part with codes having a second binary size less ~~values~~ than said first ~~values~~binary size, and
- an instruction set for replacing said data parts in said data set by said assigned codes and producing a compressed data set.

21-23. Canceled

24. (currently amended) A computer readable medium having stored therein a protocol with plurality of messages for obtaining compressed data from a remote application, the protocol comprising:

- a request message for receiving a set of compressed data set,
- a request for receiving a set of codes used for compressing said compressed data set having a markup hierarchy and comprising data parts having a first ~~values~~binary size, said data set being arranged according to a definition part, at least said markup hierarchy defining said data parts in the form of markup names, defined in said definition part being assigned with codes having a second binary size less ~~values~~ than said first ~~values~~binary size, and said data parts being replaced in said data set by said assigned codes,
- a response comprising said compressed data and said codes,
- a response comprising identity of application and unique identity of codes.

25. (currently amended) A communication system comprising:

a first computer~~unit (710)~~ controlling a second computer~~unit (720)~~ communicating through communications network ~~(730)~~, said first unit sending a data set having a markup hierarchy and comprising data parts having a first binary size~~values~~, said data set being arranged according to a definition part,

~~the system further comprising~~ a compressing unit, ~~(760)~~ and

a decompressing unit ~~(770)~~,

wherein said compressing unit is arranged to:

- generate a set of codes as a compression key defining said data parts defined in said definition part with codes having second binary size less than said first binary size, wherein each code relates to a markup name,
- assign at least said ~~data parts with codes having less values than said first values~~markup hierarchy with said set of codes,
- replace said data parts in a form of said markup names in said data set by said assigned codes, and
- ~~producing~~ produce a compressed data set.

26. (currently amended) The system of claim 25, wherein said first unit ~~(710)~~ is included in any of a mobile station, a mobile phone, a palm size computer, or a computer ~~or similar~~.

27. (currently amended) The system of claim 25, wherein said first computer~~unit (710)~~ is a remote control or monitoring device.

28. (currently amended) The system of claim 25, wherein second computer~~unit (720)~~ is a remotely controlled arrangement ~~such as~~ including a remotely controlled robot, a vehicle, or a missile.